ENVIRONMENTAL CHEMISTS

Date of Report: September 16, 1993 Date Received: September 10, 1993

(Duplicate)

Project: 7238, Acid % Test, PO #M 30826 Date Extracts Analyzed: September 10, 1993

RESULTS FROM THE ANALYSIS OF ACID SAMPLES FOR PERCENT ACID AS HN03

Results Reported as Percent

8.0%a

Sample ID	Percent Acid as HN03
M 30826 A Small Tank	6.1%ª
M 30826 B Lg Tank	7.9%ª
Quality Assurance	
M 30826 B Lg Tank	

^a Accurate determinations difficult due to the presence of buffering compounds and to precipitation reactions that occur during titration.

ENVIRONMENTAL CHEMISTS

Date of Report: September 16, 1993 Date Received: September 10, 1993

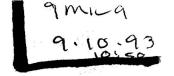
Project: 7238, Acid % Test, PO #M 30826

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR SPECIFIC GRAVITY

Results Reported as g/mL Sample per g/mL Water at 60°F

Sample #	Specific Gravity
M 30826 A Small Tank	1.29
M 30826 B Lg Tank	1.32
Quality Assurance	
Tap Water Blank	0.998
M 30826 B Lg Tank (Duplicate)	1.32

Seattle, WA 98119



SAMPLE CHAIN OF CUSTODY

end Report To: A A	Copper Grenks		Contact	Sencil Th	Conport	
ddress P.O. Box 354	6 14:					
lity, State, Zip <u>Seattle</u> hone # (206) 623-5	na 98124 800		Date	9-10-93		
SITE NO.	PROJECT NAME		,	PURCHA	ASE ORDER #	
7238	Acid % TE	54		m 3c		
SAMPLERS (signature)	,			T	T LOCATION	 1
Sund 5.9 :						۲. ا
REMARKS				7	E DISPOSAL INFORM.	····
*	·	•		Dispose after 30 days Return Samples Call for Instructions		
SAMPLE #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested	
m 30826 A	9:70 Am 8/10/62	Acide Acid	1	043651	% of Ac	الح ول
Smell TANK					Spec. GUA	vity
m 30826 B	9:30 m 9/0/83	Acie Acie	1	043652	% of 1	icid of
m 30826 13 Lg Tarle					SPEC. GAA	oity
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ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

September 16, 1993

INVOICE #93ACU0916-2

Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project 7238, Acid % Test, PO #M 30826: Results of testing requested by Gerald Thompson, Project Leader and submitted on September 10, 1993.

2 acid samples analyzed for Percent Acid a	$s HN0_3$
@ \$25 per sample	\$ 50.00
2 water samples analyzed for Specific Grav	vity
@ \$25 per sample	<u>50.00</u>
Amount Due	\$ 100.00

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

September 16, 1993

INVOICE # 93ACU0916-2 DUPLICATE COPY

Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project 7238, Acid % Test, PO #M 30826: Results of testing requested by Gerald Thompson, Project Leader and submitted on September 10, 1993.

2 acid samples analyzed for Percent Acid as HN03		
@ \$25 per sample	\$	50.00
2 water samples analyzed for Specific Gravity		
@ \$25 per sample	<u></u>	50.00
Amount Due	\$	100.00

ENVIRONMENTAL CHEMISTS

Andrew John Friedman James E. Bruya, Ph.D. (206) 285-8282 3008-B 16th Avenue West Seattle, WA 98119 FAX: (206) 283-5044

September 16, 1993

Gerald Thompson, Project Leader Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on September 10, 1993 from Project 7238, Acid % Test, PO #M 30826.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

Beth Plotkin Chemist

Beth Plothin

BP/dp

Enclosures